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(54) Title: METHODS OF DIAGNOSIS OF CANCER COMPOSITIONS AND METHODS OF SCREENING FOR MODULATORS OF CANCER

(57) Abstract: Described herein are genes whose expression are up-regulated or down-regulated in specific cancers. Related methods and compositions that can be used for diagnosis and treatment of those cancers are disclosed. Also described herein are methods that can be used to identify modulators of selected cancers.



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5  
 GTGATIAIILL CIIILLILVL MFVVMKRRD KERQAKQLLI DPEDDVRDNI LKYDEEGGGE 780  
 EDQDYDLSQL QQPPTVEPDA IKPVGIRRM D ERPIHAEPQY EVRSAAPHG DIGDFINEGL 840  
 KAADNDPTAP PYDSLVPDY ECGSGTAGSL SSLNSSSSGG EQDYDYLDNDW GPRFKKLADM 900  
 YGGGDD 906

Seq ID NO: 301 Protein Sequence  
 Protein Accession #: NP\_058637.1

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 SFIIETWREE LGDQIGGPAW SLLARVAGRR RLAAGGPWAR DIQRAGAWEL RFSYRACEP 180  
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 PCRNIGGICLD LGHALRCRCR AGFAGPRCEH DLDDCAGRAC ANGGTCVEGG GAHRCSCALG 420  
 FGGRDCRERA DPCAARPCAH GGRCYAHFSG LVCACAPGYM GARCEFPVHP DGASALPAAP 480  
 PGLRPGDPQR YLLPPALGLL VAAGVAGAAL LLVHVRRRGH SQDAGSRLLA GTPPEPSVHAL 540  
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 QQRQHLLFPY PSSILSVK 618

Seq ID NO: 302 Protein Sequence  
 Protein Accession #: fgenes prediction

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 HVEGMVNISK ASSQGM 136

30  
 Seq ID NO: 303 Protein Sequence  
 Protein Accession #: NP\_079088.1

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 EVTINVTDSI QQMORSRRIT KNCVN 145

Seq ID NO: 304 Protein Sequence  
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 PKKACPCASS AQVLQELLSR IEMLEREVS LRDQCNANCC QESAATGQLD YIPHCSGHGN 180  
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 RVGSRATSL DLEWNSSEAE VQEKVYVST LAGEQYHEVL VPRGIGPTTR ATLTDLVPGT 660  
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 55  
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 HFSIVTSSSV NITWSDPSP ADRLILNYSR RDEEEEMMEV SLDATKRHAV LMGLOPATEY 840  
 IVNLVAVHGT VTSEPIVSGI TTGIDPPKDI TISNVTKDSV MVSWSPPVAS FDYVRSYRP 900  
 TOVGRLDSSV VNTVTEFTI TRLNPAETEY ISLNSVRGRE ESERICTLVH TAMDNVPDLI 960  
 ATNITPTAL VQWKAPVGEV ENYVIVLTHF AVAGETILVD GVSEEFRLVD LLPSTHYTAT 1020  
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 MYATNGPLTS GTISTNFTSL LDPPANLTAS EVTRQSALIS WQPPRAEIEI YVLYTKSTDG 1080  
 SRKELIVDAE DTWIRLEGLL ENTDTYVLIQ AAQDTTWSI TSTAFTTQGR VFPHPQDCAQ 1140  
 HLMNGDTLSG VYPIFLNGEL SQKLQVYCDM TTDGGGWIVF QRRQNGQDTF FRKWADYRVG 1200  
 FGNVEDEFWL GLDNIHRITS QGRYELRVDM RDGQEAASFAS YDRFSVEDSR NLYKLIGSY 1260  
 NGTAGDSL S YHGRPFSTED RDNDVAVTNC AMSYKGAWWY KNCHRTNLNG KYGESRHSQG 1320  
 65  
 INWYHMKGE FSIPFVEMKM RPYNHRLMAG RKRQSLQF 1358

Seq ID NO: 305 Protein Sequence  
 Protein Accession #: NP\_005874.1

70  
 1 11 21 31 41 51  
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 GELSRATIRL LEELDRECEP LLNEIEKEEK EKLWYYSQIQ GLSKRLDELFP HVETQFSMQM 180  
 DLIRQQLEFE AQHRSLEME RFGTSDMVQ RAQIRASRL QIDKELLEAO DRVQOTEPQA 240  
 75  
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 SPESCVAMRR SGCLPLLLQI LHGTEAAAGG RAGAPGAPGA KDARMANAA LHNIVFSQPD 360  
 QGLARKEMRV LHVLEQIRAY CETCWDWLQA RDGGPEGGA GSAPIPIEPQ ICQATCAVMK 420  
 LSPDEEYRRA MNELGGLQAV AELLQVDYEM HKMTRDPLNL ALRRYAGMTL TNLTFGDVAN 480  
 KATLCARRGC MEATVAQLAS DSEELHQVVS SILRNLWRA DINSKVLRE AGSVTALVQC 540  
 80  
 VLRAKESTL KSVLSALWNL SAHSTENKAA ICQVDGALGF LVSTLTVCQ SNSLAIESG 600  
 GGLRNVSLL VATREDYRQV LRDNHCLQTL LQHLTSHSLT IVSNACGTW NLSARSARDQ 660  
 ELLWDLGAVG MLRNVLHSHK KMIAMGSAAL LRNLRAHRA KHQAAATAVS PGSCVPSLYV 720  
 RKQRALEAEL DARHLAQALE HLEKQGPAA EAATKKPLPP LRHLDLGAQD YADSQSGCFDD 780  
 DDAPSSLAAL AATGEPASPA ALSFLGSPF LQGGALARTP PTRRGKEAE KDSGEEAFA 840  
 AKAKAKLALA VARIDQLVED ISALHTSSDD SFSLSGDPG QEAPREGRAQ SCSPCRGPEG 900